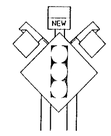
FUNCTIONAL DESIGNATION	STATE	FED. AID PROJ. NO.		
3	MD			

MD 85 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

6



W3-3
(48" X 48")
W/"NEW" PANEL
(30" X 30")
AND FLAGS

7,8

PROCEED ON
FLASHING RED
AFTER STOP

R10-6C
(60" x 36")

PROPOSED SIGNALS

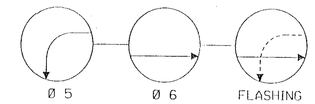
1,2,4

12"

3,5

12"

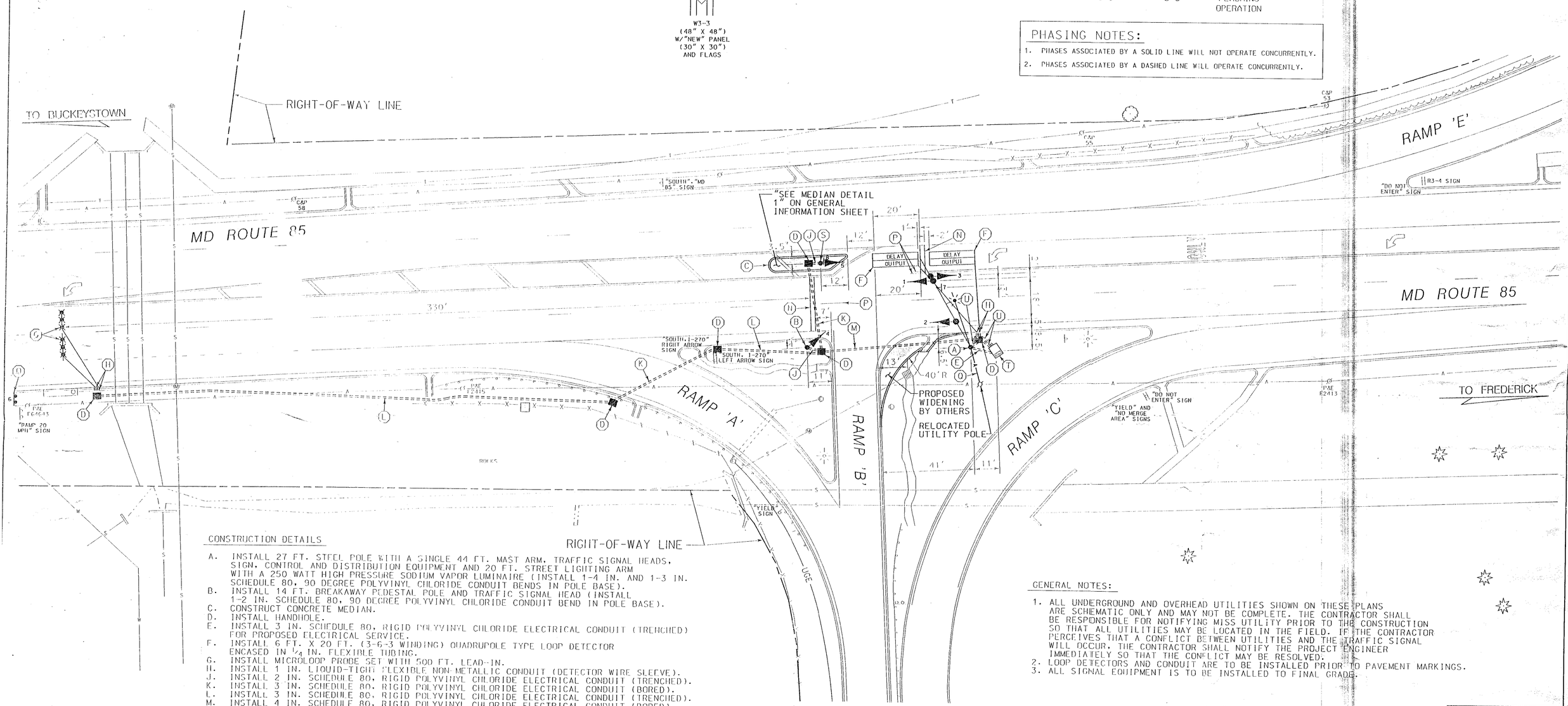
NEMA PHASING



Ø 5 Ø 6 FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A SINGLE 44 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGN, CONTROL AND DISTRIBUTION EQUIPMENT AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 1-4 IN. AND 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN POLE BASE).
B. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE AND TRAFFIC SIGNAL HEAD (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
C. CONSTRUCT CONCRETE MEDIAN.
D. INSTALL HANDHOLE.
E. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED ELECTRICAL SERVICE.
F. INSTALL 6 FT. X 20 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
H. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE).
J. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
L. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
M. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
N. INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
O. INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 1300 FT. IN ADVANCE OF THE INTERSECTION ON MD 85.
P. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
Q. PROPOSED OVERHEAD ELECTRICAL SERVICE.
S. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, TRAFFIC SIGNAL HEAD AND SIGN (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
T. INSTALL NEMA SIZE "5" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (INSTALL 1-2 IN., 1-3 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN CABINET BASE).
U. INSTALL 4 IN. SCHEDULE 40, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

GENERAL NOTES:

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. LOOP DETECTORS AND CONDUIT ARE TO BE INSTALLED PRIOR TO PAVEMENT MARKINGS.
3. ALL SIGNAL EQUIPMENT IS TO BE INSTALLED TO FINAL GRADE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

WR&A
Whittman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF 10/3/97	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	10/3/97 ACTING, TRAFFIC ENGINEERING DESIGN DIVISION	
	10/3 DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

LOG MILE 10008508.88

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN

MD 85 AND I-270 SOUTHBOUND ENTRANCE RAMP

DATE: 10-1-97	DRAWN BY: S. BLOSS	F.A.P. NO.	AC-STPG-0005(588)E	PLAN SHEET NO.:	SHEET NO.
SCALE: 1"=20'	DESIGNED BY: N. LEARY	S.H.A. NO.	AW104A5K/05K	TS-3742	1 OF 3
APPROVED BY:	CHECKED BY: T. HANNAH	COUNTY	FREDERICK		

M:\94002\30924TOI.DGN